

FO9020" 99200660

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

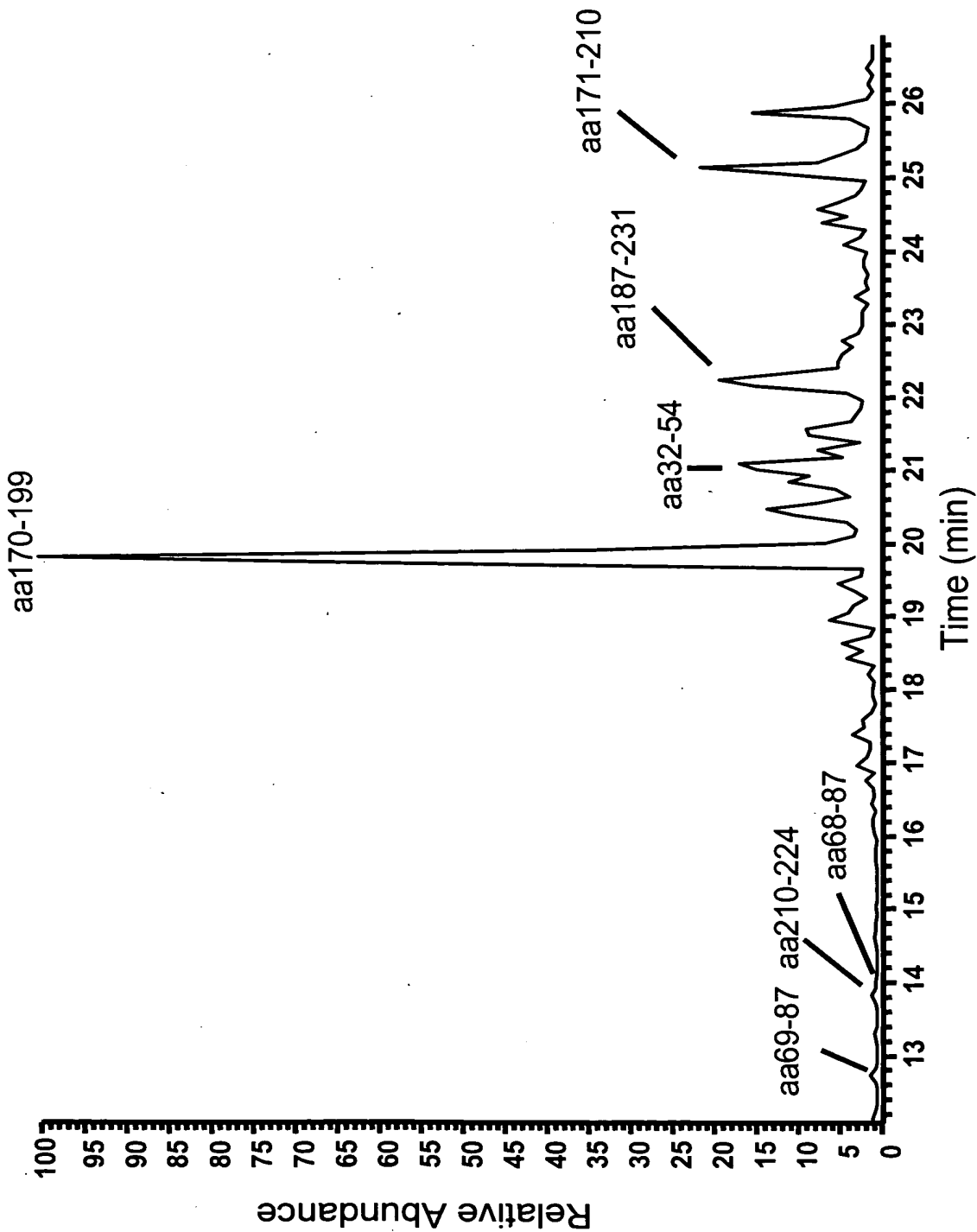


FIG. 1

T09070"99Z00650

APPROVED	O.G. FIG.	
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1	6	11	16	21	26	31	36	41	46
SEQ ID NO: 2 1-50 SEKSEINEKDLRKKSELQGTALGNLKQIYYNSKAITSSSEKSADQFLTN									
[REDACTED]									
51-100 TLLFKGFFTGHPWYNDLLVDLGSTAATSEYEGSSVDLYGAYYGYQCAGGT									
[REDACTED]									
101-150 PNKTACMYGGVTLHDNNRLTEKKVPINLWIDGKQTTVPIDKVKTSKKEV									
[REDACTED]									
151-200 TVQELDLQARHYLHGKFGLYNSDSFGGKVQRLIVFHSSEGSTVSYDLFD									
[REDACTED]									
201-233 AQGQYPDTLLRIYRDNTTISSTLSISLYLYTT									

FIG. 2

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APPROVED	O.G. FIG.	
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SEQ ID NO: 3 SEAE18: SEKSEEINEKDLRKKSELQGTALGNLQKIYYN---EKAITENKESDDQF
SEQ ID NO: 4 SEA : SEKSEEINEKDLRKKSELQGTALGNLQKIYYN---EKAITENKESHQF
SEQ ID NO: 5 SED : ALHKKSELSSSTALNNMKHSYADA---NPIIGANKSTGDDQF
SEQ ID NO: 6 SEH : EDLHDKSELTDLALANAYGQYNHPFIKENIKSDEISGEKDL

SEAE18: LENTLLFKGFFTHPWYNDLLVDLGSKDATNKYKGKKVDLYGAYGYQCA
SEA : LQHTILFKGFFTHSWYNDLLVDFDSKDIVDKYKGKKVDLYGAYGYQCA
SED : LENTLLYKAF-----LLINFNSAEMAQHFKSKNVDVYAIRYAAAC-
SEH : IFRNQGDG-----NDLRVKFATADLAQKFKNKNVDIYGASFYKCE

SEAE18: GGTPNKTACMYGGVTLHDNNRLTEKKVPINLWIDGKQTTVPIDKVKTSK
SEA : GGTPNKTACMYGGVTLHDNNRLTEKKVPINLWIDGKQTTVPIDKVKTSK
SED : -----RTACTYGGVTPHAGNALKARKKIPINLWIGVQKEVSLDKVQTDK
SEH : KISENISEGLYGGTTLN-SEKLAQERVIGANVVDGIQKETE--LIRTNK

SEAE18: KEVTVQELDLQARHYLHGKFLYNSDSFEGGKVQRGGLIVFHSSEGSTVSVD
SEA : KNVTVQELDLQARRYLQEKYNLYNSDVFDDGKVQRGGLIVFHTSTEPSVNYD
SED : KNVTVQELDLQARRYLQKDLKLYN-----AIQRGKLEFDSAAASKVSYD
SEH : KNVTLQELDIKIRKILSDKYKIYY---KDSEISKGLIEFDMKTPRDYSFD

SEAE18: LFDAQGQYPTLLRIYRDNKTINSEN-LHIALYLYTT
SEA : LFDAQGQYSNTLLRIYRDNKTINSEN--HIDIYLYTS
SED : LFDVAGDFPEKQLRIYSDNKTLSLSTEH-LHIDIYLYEA
SEH : IYDLKGENDYEIDKIYEDNKTLSKDDI--SHIDVNLTYTKKKV

FIG. 3

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APPROVED	O.G. FIG.	
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SEQ ID NO: 2	SEA/E-120	5 10 15 20 25 30 35 40 45 50 55 60	SEKSEINEKDLRKKSELQGTALGNLQIYYNSKAITSEKSADQFLTNTLLFKGFFTG 60
SEQ ID NO: 3	SEA/E-18	15 20 25 30 35 40 45 50 55 60	SEKSEEINEKDLRKKSELQGTALGNLQIYYNEKAITENKESDDQFLENTLLFKGFFTG 60
SEQ ID NO: 7	SEE	15 20 25 30 35 40 45 50 55 60	SEKSEEINEKDLRKKSELQGNALSNLQIYYNEKAITENKESDDQFLENTLLFKGFFTG 60
SEQ ID NO: 4	SEA	15 20 25 30 35 40 45 50 55 60	SEKSEEINEKDLRKKSELQGTALGNLQIYYNEKAKTENKESHDDQFLOHTILFKGFFTD 60
			***** . ** . ** . ** . ** . ** . ** . ** . ** . ** . ** . ** . ** . ** . ** . ** .
		65 70 75 80 85 90 95 100 105 110 115 120	HPWYNLLVLDLGSKDATNKYKGGKVDLYGAYGYQCAGGTPNKTACMYGGVTLHDNNRLT 120
		105 110 115 120 125 130 135 140 145 150 155 160	HPWYNLLVLDLGSKDATNKYKGGKVDLYGAYGYQCAGGTPNKTACMYGGVTLHDNNRLT 120
		115 120 125 130 135 140 145 150 155 160	HPWYNLLVLDLGSKDATNKYKGGKVDLYGAYGYQCAGGTPNKTACMYGGVTLHDNNRLT 120
		125 130 135 140 145 150 155 160	HWSYNLLVDFDSKDIVDKYKGGKVDLYGAYGYQCAGGTPNKTACMYGGVTLHDNNRLT 120
			* . * .
			EEKKVPINLWIDGKQTTVPIDKVKTSKKEVTQELDLQARHYLHGKFGLYNSDSFGGKVQ 180
			EEKKVPINLWIDGKQTTVPIDKVKTSKKEVTQELDLQARHYLHGKFGLYNSDSFGGKVQ 180
			EEKKVPINLWIDGKQTTVPIDKVKTSKKEVTQELDLQARHYLHGKFGLYNSDSFGGKVQ 180
			EEKKVPINLWLDGKQNTVPLETVKTNKKNVTVQELDLQARRYLQEKYNLYNSDVFDGKVQ 180
			***** . ** . ** . ** . ** . ** . ** . ** . ** . ** . ** . ** . ** . ** . ** . ** .
			D
			RG LIVFHSSEGSTVS YDLFDAQQQY P D T L L R I Y R D N T T I S S T S L S I S L Y L Y T T 233
			RG LIVFHSSEGSTVS YDLFDAQQQY P D T L L R I Y R D N K T I N S E N L H I A L Y L Y T T 233
			RG LIVFHSSEGSTVS YDLFDAQQQY P D T L L R I Y R D N K T I N S E N L H I D L Y L Y T T 233
			RG LIVFHTSTEPSVNYDLFGAQQQYSNTLLRIYRDNKTINSENMHIDIYLYTS 233
			***** . * . : . : . * .
			E

FIG. 4

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

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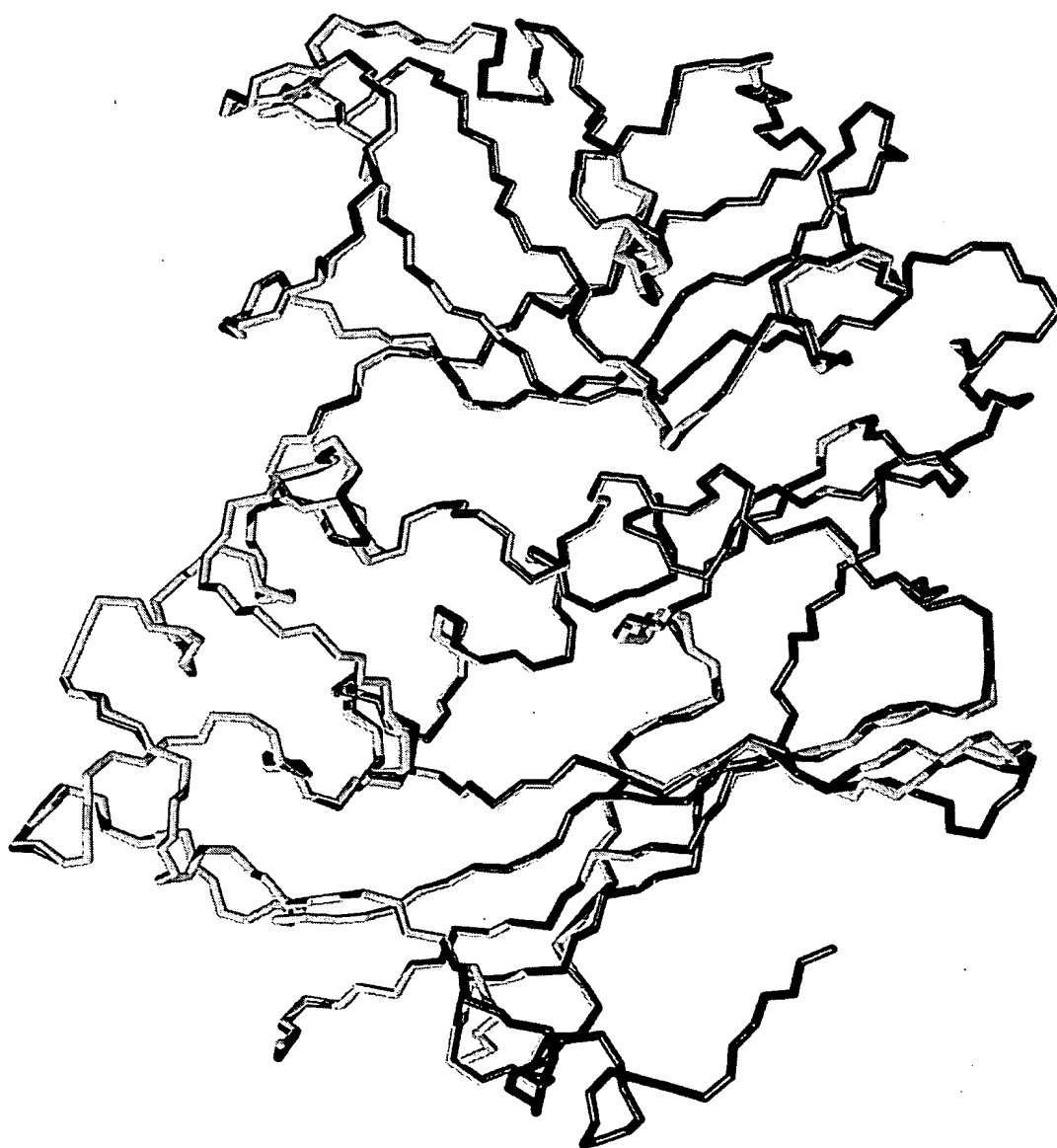


FIG. 5

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APPROVED	O.G. FIG.	
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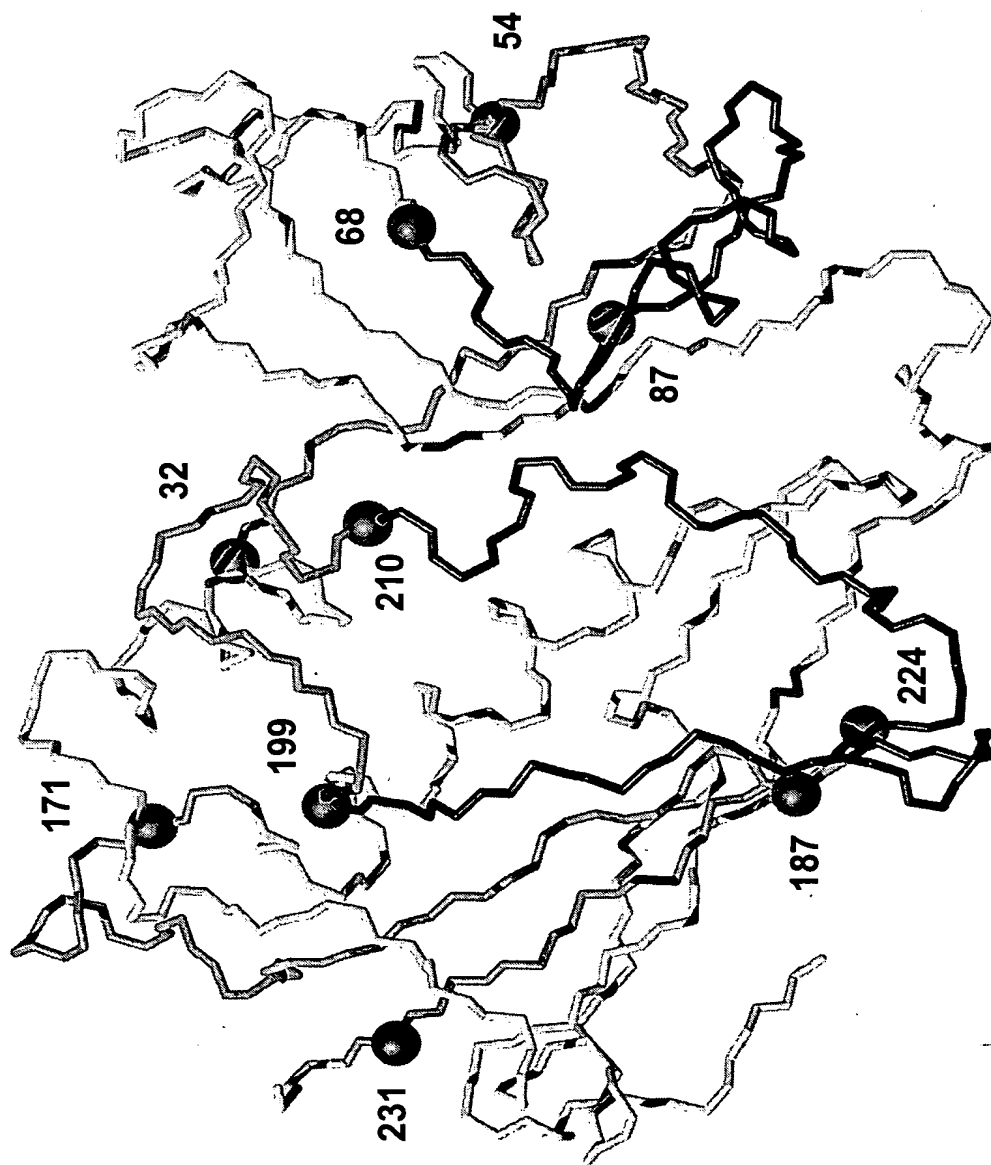


FIG. 6

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APPROVED	O.G. FIG.
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DRAFTSMAN	SUBCLASS

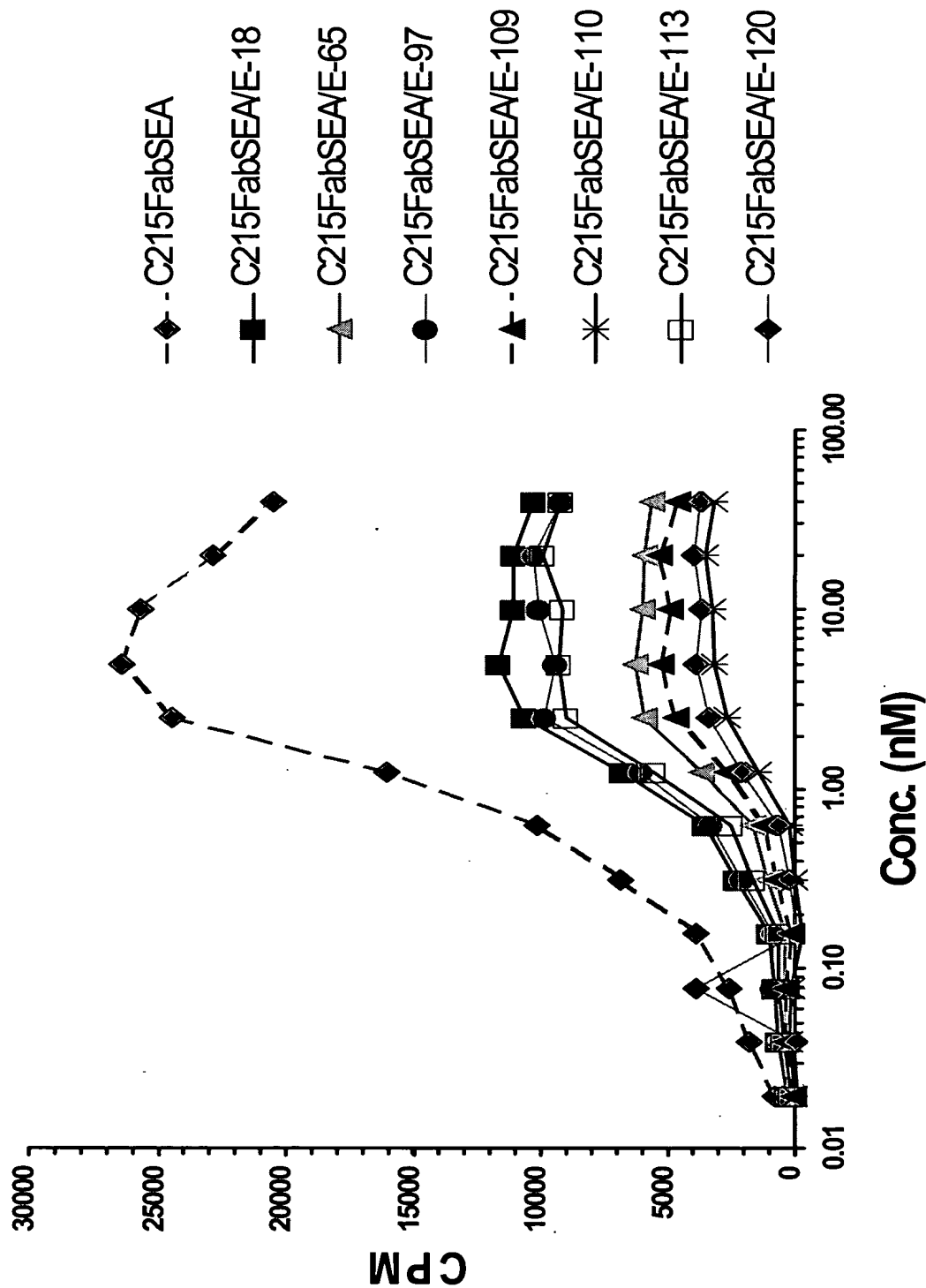


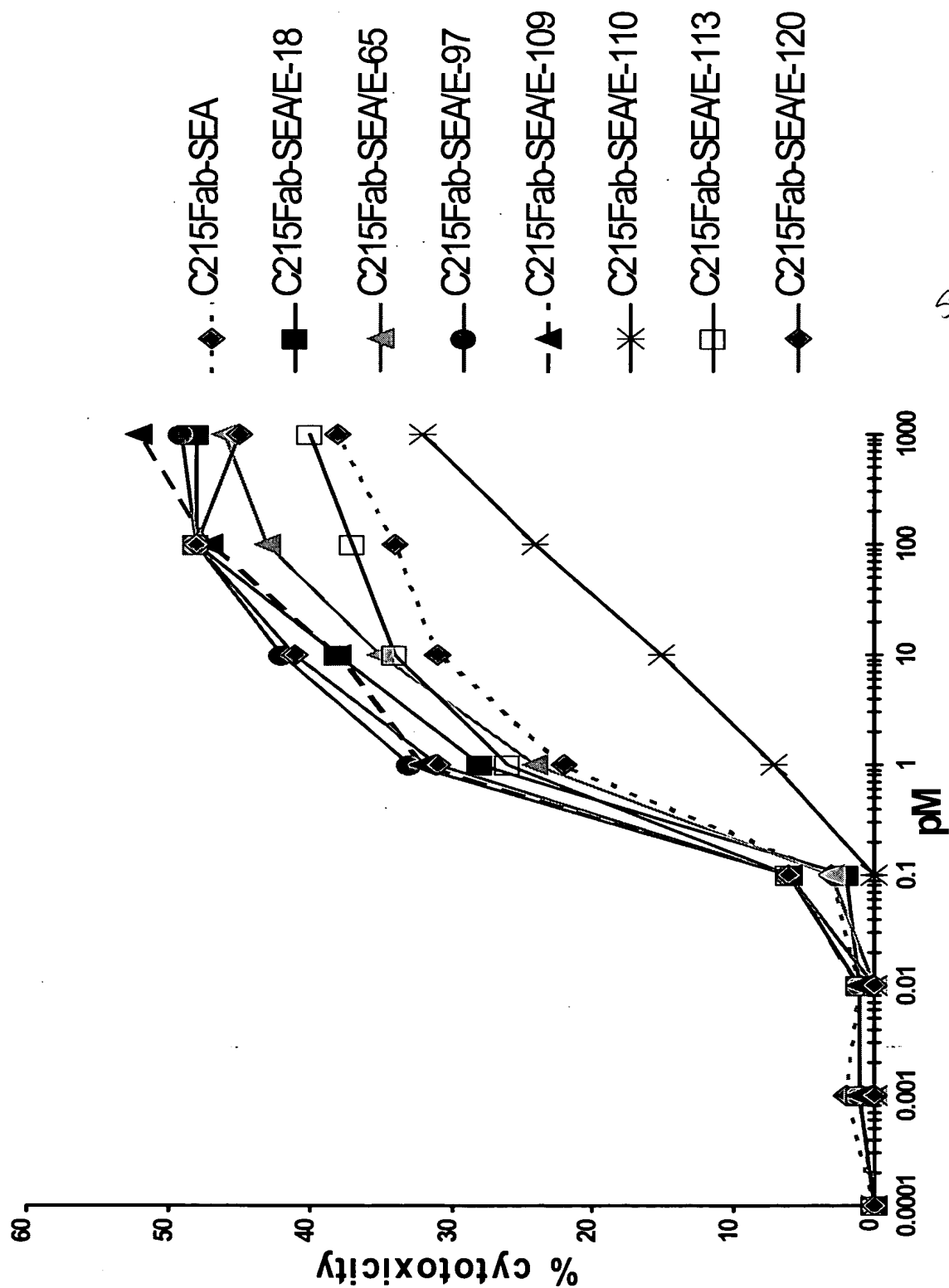
FIG. 7

reduction in
binding to
human α5β1
by SEE
variants.

NO control
for SEE
alone.

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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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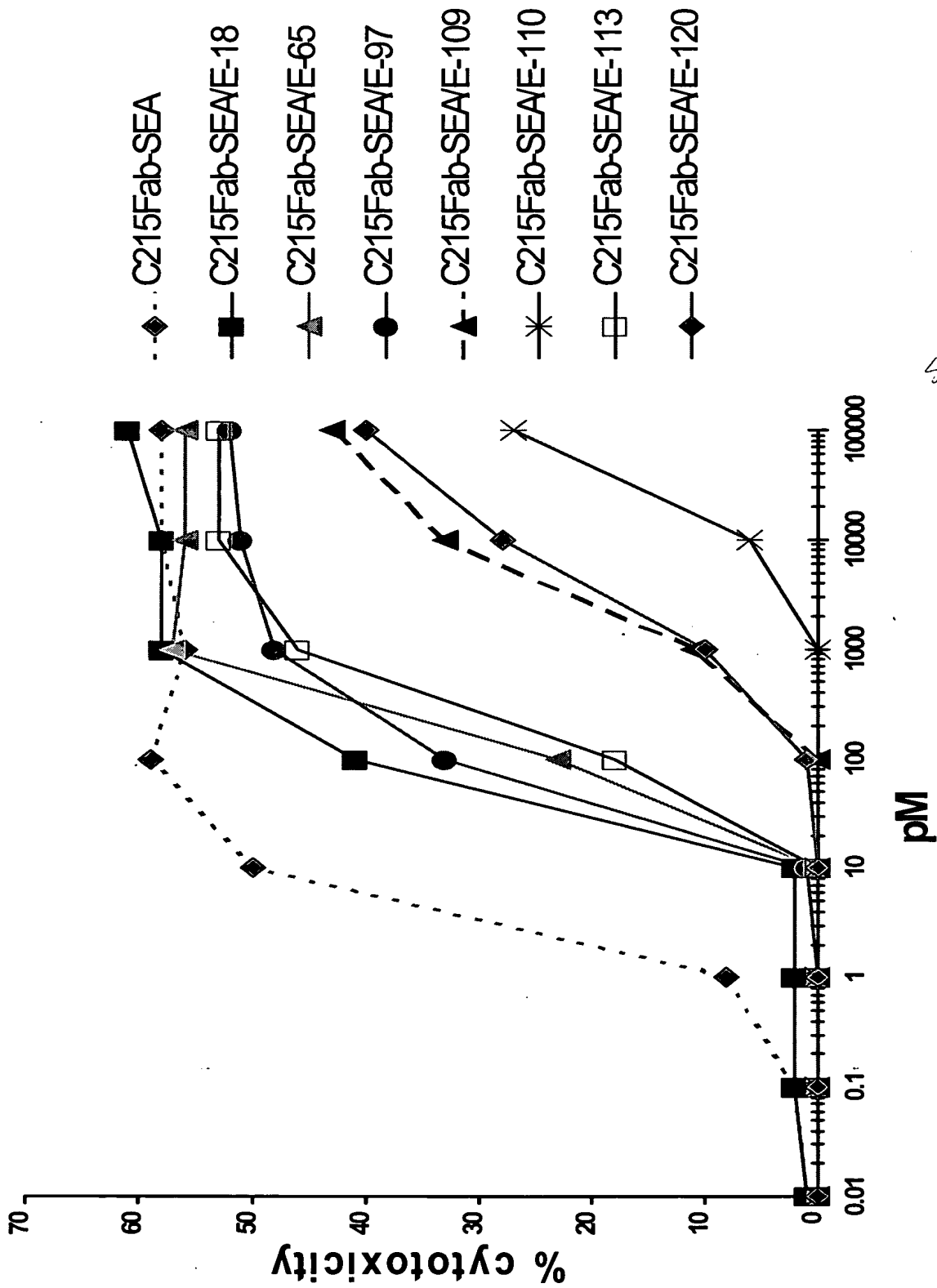


*Superantigen-antibody
Ab-dependent
cellular
cytotoxicity*

FIG. 8A

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*Supernatant dependent
cellular
cytotoxicity*

FIG. 8B

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APPROVED	O.G. FIG.	
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FIG. 9

FIG. 10

APPROVED	O.G. FIG.	
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5T4 Variable Heavy chain

SEQ ID NO: 1 1-50

EVQLQ QSGPD LVKPG ASVKI SCKAS GYSFT GYMH WVKQS PGKGL EWIGR

51-100

INPNN GVTLY NQKFK DKATL TVDKS STTAY MELRS LTSED SAVYY CARST

101-150

MITNY VMDYW GQGTS VTVSS AKTTP PSVYP LAPGS AAQTN SMVTL GCLVK

151-200

GYFPE PVTVT WNSGS LSSGV HTFPA VLQSD LYTLS SSVTV PSSTW PSETV

201-250

TCNVA HPASS TKVDK KIVPR DSGGP SEKSE EINEK DLRKK SELQG TALGN

251-300

LKQIY YYNSK AITSS EKSAD QFLTQ TLLFK GFFTQ HPWYN DLLVD LGSTA

301-350

ATSEY EGSSV DLYGA YYGYQ CAGGT PNKTA CMYGG VTLHD NNRLT EEKKV

351-400

PINLW IDGKQ TTVPI DKVKT SKKEV TVQEL DLQAR HYLHG KFGLY NSDSF

401-450

GGKVQ RGLIV FHSSE GSTVS YDLFD AQQY PDLTL RIYRD NTTIS STSLS

451-500

ISLYL YTTSI VMTQT PTSLL VSAGD RVTIT CKASQ SVSND VAWYQ QKPGQ

501-550

SPKLL ISYTS SRYAG VPDRF SGSGY GTDFT LTISS VQAED AAVYF CQQDY

551-600

NSPPT FGGGT KLEIK RADAQ PTVSI FPPSS EQLTS GGASV VCFNL NFYPK

601-650

DINVK WKIDG SERQN GVLNS WTDQD SKDST YSMSS TLTLT KDEYE RHNSY

651-672

TCEAT HKTST SPIVK SFNRN ES

FIG. 10